



MINI MULLION RFID CARD READER FOR HIGH-SECURITY ACCESS CONTROL



Scale 1



COMPATIBILITY

- MIFARE® credentials
- NFC smartphones
- SECard software
- OSDP™ / SSCP protocols
- Transparent Mode (ANSSI)



LET YOUR IMAGINATION FLOW

Customization of the multicolor LEDs (RGB, 360 colors)



PRINTING OF YOUR LOGO using digital UV or pad printing

"Skin effect" new customization technology



CERTIFICATIONS



SECURE ACCESS MULLION READER

The Architect® One is the most compact secure RFID MIFARE® DESFire® EV2 card reader and NFC smartphones - designed to be installed on a narrow profile with ease.

EASY TO INSTALL

The Architect® One is a mullion RFID reader specially designed for installation in small spaces, for example on door frames or narrow flushbox mounting, etc.

Its small size and intelligent design make it easy to incorporate into any installation environment with no spacer required (included on metal). The plug-in/plug-out connector cable and the round mounting holes make the installation easier.

WELCOME TO HIGH SECURITY

The reader uses the latest MIFARE® DESFire® EV2 contactless chip technologies with new data security mechanisms:

- **Secure Messaging EV2:** secure transaction method based on AES-128 with protection against interleaving and replay attacks.
- **Proximity Check:** improved protection against relay attacks.

All public encryption algorithms can be used (3DES, AES, RSA, SHA, etc.), which are recommended by official data security agencies (such as the French national agency ANSSI).

BEST MARKET SELF-PROTECTION

The patented tamper protection system protects sensitive data and gives the possibility to delete the sensitive data. Unlike the current solutions on the market, the reliability of the accelerometer based technology avoids it being outsmarted.

STANDING THE TEST OF TIME

The reader's IK10 certified vandal-proof structure has been optimized to resist knocks and malicious acts. It is designed to withstand harsh environments (IP65 level excluding connectivity): dust, heavy rain, frost, etc.



SPECIFICATIONS

Operating frequency/Standards	13.56 MHz. ISO14443 types A & B, ISO18092																				
Chip compatibility	MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1 & EV2, CPS3, NFC (HCE), PicoPass® (CSN only), iCLASS™ (CSN only)																				
Functions	103: read only CSN serial number (UID) PH1: secure read only of the MIFARE® Classic chip sector and CSN of the other chips PC1: preconfigured read only PH5: secure read-only (file, sector) and secure protocol (Secure Plus) / secure read write																				
Communication interfaces & protocols	TTL: Data Clock (ISO2) 32, 40 bits, etc. / Wiegand 26, 32, 34, 35, 36, 37, 40, 44, 64 bits, etc. (ciphered mode - S31) RS485 (ciphered mode - S33) with secure communication protocols SSCP & SSCP2; OSDP™ V1 (plain communication) & V2 (SCP secure communication)																				
Decoder compatibility	Compatible with EasySecure and «transparent» interfaces: EasyRemote, RemoteSecure & RemoteSecure addressable (4 readers)																				
Reading distances**	Up to 6 cm / 2.36" with a MIFARE® DESFire® EV2 or Classic card																				
Light indicator	2 RGB LEDs - 360 colors Configuration by RFID card, software, external command (0V) according to the interface																				
Audio indicator	Internal buzzer with adjustable intensity Configuration by RFID card, software, external command (0V) according to the interface																				
Power requirement / Power supply	130 mA/12 VDC Max / 9 VDC to 15 VDC																				
Connections	2 versions: A - 3 m rugged cable outlet / B - 3 m plug-in/plug-out connector cable																				
Material	ABS-PC UL-V0 (black) / ASA-PC-UL-V0 UV (white)																				
Dimensions (h x w x d)	111,5 x 42,2 x 22 mm / 4.33" x 1.65" x 0.87" (general tolerance following ISO NFT 58-000 standard)																				
Operating temperatures	- 30°C to + 70°C / - 22°F to + 158°F / Humidity: 0 - 95%																				
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patented solution) and/or message to the controller																				
Protection / Resistance	IP65 Level excluding connector - Weather-resistant with waterproof electronics compliant with CEI NF EN 61086 standard Reinforced vandal-proof structure IK10 certified																				
Mounting	Wall mount, door frame mount or European mullion flush boxes mount (drilling 32 mm x2) Compatible with any surfaces and metal walls without spacer																				
Certifications	CE, FCC & UL																				
Part numbers																					
Read only	<table border="0"> <tr> <td>CSN - TTL</td> <td>ARC1-R31-X/103-xx/y</td> </tr> <tr> <td>Secure MIFARE® Classic - TTL</td> <td>ARC1-R31-X/PH1-xx/y</td> </tr> <tr> <td>Pre-configured - TTL</td> <td>ARC1-R31-X/PC1-xx/y</td> </tr> <tr> <td>Secure - TTL</td> <td>ARC1-R31-X/PH5-xx/y</td> </tr> <tr> <td>Secure - Secure Plus - TTL</td> <td>ARC1-S31-X/PH5-xx/y</td> </tr> <tr> <td>Secure - RS485</td> <td>ARC1-R33-X/PH5-7AB/y</td> </tr> <tr> <td>Secure - EasySecure - RS485</td> <td>ARC1-R33-X/PH5-7AA/y</td> </tr> <tr> <td>Secure - Secure Plus - RS485</td> <td>ARC1-S33-X/PH5-7AB/y</td> </tr> <tr> <td>Secure - Secure Plus / EasySecure - RS485</td> <td>ARC1-S33-X/PH5-7AA/y</td> </tr> <tr> <td>Secure - EasyRemote - RS485</td> <td>ARC1-R33-X/PH5-7BB/y</td> </tr> </table>	CSN - TTL	ARC1-R31-X/103-xx/y	Secure MIFARE® Classic - TTL	ARC1-R31-X/PH1-xx/y	Pre-configured - TTL	ARC1-R31-X/PC1-xx/y	Secure - TTL	ARC1-R31-X/PH5-xx/y	Secure - Secure Plus - TTL	ARC1-S31-X/PH5-xx/y	Secure - RS485	ARC1-R33-X/PH5-7AB/y	Secure - EasySecure - RS485	ARC1-R33-X/PH5-7AA/y	Secure - Secure Plus - RS485	ARC1-S33-X/PH5-7AB/y	Secure - Secure Plus / EasySecure - RS485	ARC1-S33-X/PH5-7AA/y	Secure - EasyRemote - RS485	ARC1-R33-X/PH5-7BB/y
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X = connector version: A : cable - B : cable with connector y: case color (1 : black - 2 : white)																					

DISCOVER OUR CREDENTIALS...



13.56 MHz ISO cards & key holders



NFC smartphones using STid Mobile ID® application

...AND OUR ACCESSORIES



Decorative plate / Shield / TBLOCK / Spacers / Decoders...



SECARD configuration kit and SSCP, SSCP2 & OSDP™ protocols

*Our readers read only the iCLASS™ UID/Chip Serial Number. They do not read secure HID Global's iCLASS™ cryptographic protections. **Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading). External disturbances can cause the reading distances to decrease.

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